CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

Job No.: CTCE/BBMP/SN/W.No.15/CSR-1085a/Cube/2019-20 04.12.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP.
* Agency	: Sri. Sunil.N, #1384, 1/2111 B Main B Block, 2nd Stage, Rajajinagara, Bangalore – 21
* Name of the work	: Construction and repairs to culverts in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	: EE/DD/W.O/406/2019-20 Dated : 27.09.2019
* Sample ID	: RCC Culvert Side Wall Concrete
Test Method as per	: IS - 516 : 1959 (RA-2018)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 04.12.2019
Report Issue Date	: 04.12.2019

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.11.2019	04.12.2019	8.205	474.5	21.09
2	06.11.2019	04.12.2019	8.308	484.6	21.54
3	06.11.2019	04.12.2019	8.395	502.5	22.33

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned with CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ
BSCIC
ISO 9001 REGISTERED

Job No.: CTCE/BBMP/SN/W.No.15/CSR-1085a/Cube/2019-20

18.12.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP,
* Agency	:	**Sri. Sunil.N,** #1384, 1/2111 B Main B Block, 2nd Stage, Rajajinagara, Bangalore – 21.
* Name of the work	:	Construction and repairs to culverts in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/406/2019-20 Dated : 27.09.2019
* Sample ID	:	RCC Culvert Deck Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	18.12.2019
Report Issue Date	:	18.12.2019

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.11.2019	18.12.2019	8.109	478.5	21.27
2	20.11.2019	18.12.2019	8.289	485.2	21.56
3	20.11.2019	18.12.2019	8.325	504.6	22.43

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

CIVIL ENGINEERING TESTING LABORATORY www.civiltechconsultants.com

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned with CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ
BSCIC
ISO 9001 REGISTERED

Job No.: CTCE/BBMP/SN/W.No.15/CSR-1085a/Cube/2019-20

18.12.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP,
* Agency	:	**Sri. Sunil.N,** #1384, 1/2111 B Main B Block, 2nd Stage, Rajajinagara, Bangalore – 21.
* Name of the work	:	Construction and repairs to culverts in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/406/2019-20 Dated : 27.09.2019
* Sample ID	:	RCC Culvert Deck Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	18.12.2019
Report Issue Date	:	18.12.2019

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.11.2019	18.12.2019	8.328	478.5	21.27
2	20.11.2019	18.12.2019	8.395	495.6	22.03
3	20.11.2019	18.12.2019	8.415	512.6	22.78

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned with CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

Job No.: CTCE/BBMP/SN/W.No.15/CSR-1085a/Cube/2019-20

18.12.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP,
* Agency	:	Sri. Sunil.N, #1384, 1/2111 B Main B Block, 2nd Stage, Rajajinagara, Bangalore – 21.
* Name of the work	:	Construction and repairs to culverts in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/406/2019-20 Dated : 27.09.2019
* Sample ID	:	RCC Culvert Deck Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	18.12.2019
Report Issue Date	:	18.12.2019

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.11.2019	18.12.2019	8.225	495.5	22.02
2	20.11.2019	18.12.2019	8.325	512.6	22.78
3	20.11.2019	18.12.2019	8.415	529.6	23.54

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

CIVIL ENGINEERING TESTING LABORATORY www.civiltechconsultants.com

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned with CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/SN/W.No.15/CSR-1085a/Cube/2019-20 18.12.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP,
* Agency	:	**Sri. Sunil.N,** #1384, 1/2111 B Main B Block, 2nd Stage, Rajajinagara, Bangalore – 21.
* Name of the work	:	Construction and repairs to culverts in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/406/2019-20 Dated : 27.09.2019
* Sample ID	:	RCC Culvert Deck Slab Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	18.12.2019
Report Issue Date	:	18.12.2019

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.11.2019	18.12.2019	8.105	475.5	21.13
2	20.11.2019	18.12.2019	8.209	484.8	21.55
3	20.11.2019	18.12.2019	8.310	513.2	22.81

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.

Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com

e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned with CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

Job No.: CTCE/BBMP/SN/W.No.15/CSR-1085a/Cube/2019-20 23.12.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP,
* Agency	:	**Sri. Sunil.N,** #1384, 1/2111 B Main B Block, 2nd Stage, Rajajinagara, Bangalore – 21.
* Name of the work	:	Construction and repairs to culverts in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/406/2019-20 Dated : 27.09.2019
* Sample ID	:	Ramp Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	23.12.2019
Report Issue Date	:	23.12.2019

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.11.2019	23.12.2019	8.244	485.6	21.58
2	25.11.2019	23.12.2019	8.328	502.4	22.33
3	25.11.2019	23.12.2019	8.395	512.6	22.78

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned with CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/SN/W.No.15/CSR-1085a/Cube/2019-20

23.12.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP,
* Agency	:	**Sri. Sunil.N,** #1384, 1/2111 B Main B Block, 2nd Stage, Rajajinagara, Bangalore – 21.
* Name of the work	:	Construction and repairs to culverts in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/406/2019-20 Dated : 27.09.2019
* Sample ID	:	Ramp Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	23.12.2019
Report Issue Date	:	23.12.2019

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.11.2019	23.12.2019	8.357	502.5	22.33
2	25.11.2019	23.12.2019	8.415	512.6	22.78
3	25.11.2019	23.12.2019	8.426	535.9	23.82

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

CIVIL ENGINEERING TESTING LABORATORY www.civiltechconsultants.com

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned with CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

Job No.: CTCE/BBMP/SN/W.No 15/CSR 1085a/Cube/2019-20 — 23.12.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP.
* Agency	:	**Sri. Sunil.N,** #1384, 1/2111 B Main B Block, 2nd Stage, Rajajinagara, Bangalore – 21.
* Name of the work	:	Construction and repairs to culverts in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/406/2019-20 Dated : 27.09.2019
* Sample ID	:	Ramp Concrete
Test Method as per	:	IS - 516 : 1959 (RA-2018)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	23.12.2019
Report Issue Date	:	23.12.2019

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.11.2019	23.12.2019	8.226	474.5	21.09
2	25.11.2019	23.12.2019	8.305	485.6	21.58
3	25.11.2019	23.12.2019	8.415	512.3	22.77

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned with CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2017

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No: CTCE/BBMP/SN/W.No.15/CSR-1085 / Precast Slab/2019-20

25.11.2019

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	Sri. Sunil.N, #1384, 1/2111 B Main B Block, 2nd Stage, Rajajinagara, Bangalore – 21.
* Name of work	:	Construction and repairs to culverts in Dasarahalli Ward No.15, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/406/2019-20 Dated : 27.09.2019
* Sample ID	:	Precast Slab (100mm thick)
* Grade of Concrete	:	M_{20}
Test Method As Per	:	IS - 516 (Part-4) : 2018
Sample Received on	:	23.11.2019
Date of Testing	:	25.11.2019
Report Issue Date	:	25.11.2019

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	78.00	0.390	2546.48	1.56	0.952	29.50	15.02	16.23	17.04	21.29
2	50.00	80.00	0.399	2540.11	1.60	0.957	30.20	15.38	16.61	17.36	21.70
3	50.00	79.00	0.390	2514.25	1.58	0.955	31.55	16.07	17.35	18.18	22.72

nformation is furnished by the Customer/Representative

te:

The report shall not be reproduced, except in full, without the written approval of the laboratory.
The results indicated above are based on the tests carried out on the samples received in the laboratory.
Any Query regarding the report must be reported within 30 days from the date of testing.

Civil-Tech Consultants & Engineers Bangalore

****

M/s. Civil-Tech Consultants & Engineers

Authorised Signatory

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned with CamScanner